

FIG. 1

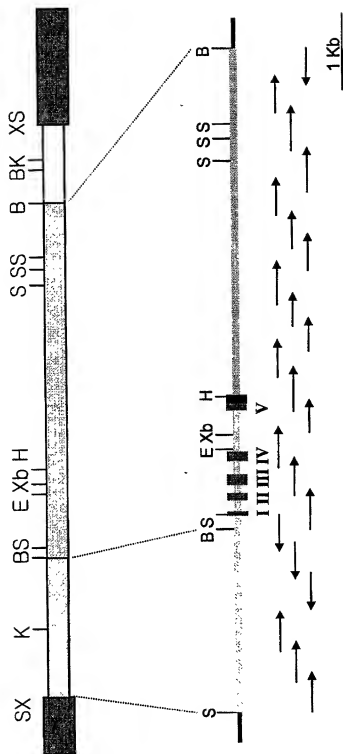


FIG. 2B

401 tcatgatccaagctgaacagattagatttttatatttgcaataaaaataatctctctctttagAAAACTGTCAATCTA
 III K N C Q S I 55
 481 TTGATGCTAATCTTGCATCTGTGCGCAGTACAATGGAACACAACCTTCTCCTGAGTCTGATTGTGCTGCTAACACAGCT
 D A N L A S V R S T M E H N F L L S L I V S A N T R 81
 561 GTTTGGATTGTTGGCCATGATGGTGAACCTgaagtcattttgctcgaaatgctgatattgctatggctagctcgaaat
 V W I G G H D G E T 91
 641 taatgcttttaataataaaactgattttctatagatacaataaactaaatgctttttgttacaataataaagtattgaatta
 721 tatcataaatagaagaattatttagtaaaccttttgactctcctcactcattagGAAGGACAATGGCTGTGGTCTGATGGA
 IV E G Q W L W S D G 100
 801 TCTCAATTTCATTTACCAACTGGTGCCTGGAGAACCTAGCAATAATTTGGTAAAGAGAACTGCCTGGAGATAAACCT
 S Q F H F T N W C P G E P S N N F G K E N C L E I N F 127
 881 TACACGtaagaagctctcatatcattattgtttttatttacaatcttaaaattctatagcattttgtattaaatttactt
 T Q 129
 961 gtttaagtgcagaaaatgctacgtgcagtgatttctactacattcagatccctttaacctttagtgattgtttattttgcag
 1041 cctgatggtaacaattgtttgaattcatacttgggtcccccataatgaaaaagtgaaaaacagaattttataaagtctctgttaa
 1121 aaaaattttaaagaaaaaattgacatttactgtatttaaccacagggtgccaaactctgtcttggagggccggtggtga
 1201 cctgtgtagtttagctctaacactaatcaaacacaccctaaagcagtttataaagcttaactaaagcatactagaactct
 1281 tagacagggtgagctgagacaagttgaaactaaactctgcaggacacccgggctctaggaacagagtttgggacccctgat
 1361 tttagaccctttgcaacaacacttgaaattttgctcagatgctctttgactgtgctgattttatacatttattttattca
 1441 aactacacccggttaatgatcagtagctgattttattttctatctatcccacagAGAACCCTTGCTGGAATGATGCGGATTGT
 V N R C W N D A D C 138
 1521 TCAACCAACAATCAGCTACATTTGTGCCAACCTATTAGATCAtgaaaaatcaactctgtttcaaagttactatgatttact
 S T T I S Y I C A Q P I R S * 152
 1601 acatgctctatacattttttctgatcttattcttaaaactcagtagtcttactgaagctttctgaaaaactctccaatcaa
 1681 taaaagcattttataagaacaaattgtttgcattgttgagtcaaaaaaataatcatcaaatataatacaataataaaacaaa
 1761 acaacaatacatctaaaaataacaaaaagggctttcacaattgaaatagttaaactcaggttattctaaaccccgaggttta
 1841 aagaatcctgggttattctgtttcagctttcacactgttcatattcaaccagagggttaaagaaataaccctgggtatttcat
 1921 aattcgatgtttcacactgtgcatttcaaaccttaagttaagttttcatttgcaattttgggggtgcagcaaattaag
 2001 gaagtttcttcaccctctcatagcatccagacagcagaagtagggaactgagcagcgttcatgactgaggttctcttca
 2081 gaacaaactgaagtacattgagactaatccatgttaagagattctccacagccagtgagcattgtttaccattttgggggtcc
 2161 taagcaaaagtccaagaacccggggcccccattgccacagcattgcccgaagtttttctatttgaattgcacaacaataaact
 2241 tcagtatacagaattaaagttagatataataaaacccgggtttattttagttgacctgcttaaaagtaacactaaattgtta
 2321 cagttatgacaagaattctttagattcatatataagattgtcttaggattgatttaaaacaaattgaattaaactgcacact
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 2481 caccagcaaacataattgttaagttgggttaattgcttgaacttaattggatgggaatcacataaactctcatgttcatattgcaa
 2561 aaacaaacttactgtgagatacaacaagcatatagactagacatacactaaagattgagatttttaagtacaattgatgagat
 2641 acagaatatgattttatgtattttcgacatgtgtgtgtctttatcatgtttaatacctgtacagcagatggaacaaaagatg
 2721 cgtgaattttgtgcagttatgagagcaagatagagtcgtgtgagcgtcattccagacacttgtgtggctgcatttgtgc

FIG. 2C

2801 gcgcgagcagaggctccgcttcccgtagagcttcgttcataagtagcctttatgtgcccttgcaaggatgtgggcaaa
2881 tattattctgcgtgcatactcacacatctctccctcgcagctgctttatccgtaccttagattggtctgaataaacct
2961 aacatactttcgcacaccttgggccagttagggggccccaagcctgcggggccctacgcaattgcattggtttgcgtggg
3041 ggtaaacacgccactggttacattgcaagatactttgtaaaaaatgttaactgtttaatagtgccctattttaacaatc
3121 taagtgcattggtctaaagtgcataaagggtttgtcctaactcactctgc taatttaacgacgggcaaaatttggggcgt
3201 ctagcgcactgtcttaaagggttgttccattcttagtaatgagtaaatgggtgtgttttgggcattgagttcgattcaatgt
3281 tatttatataaagcttttcacaaattggttaattgtttcaaagcagctttacattaaaaatatattactgcttttttaaa
3361 ctgattgtaagattgacacgaacagtgattgttgatttgtatgtgcatcaaggcaaggcaagtttatttgtatgacacatt
3441 tcatacacagaggtcatcaagggtctttacatagaaatgagaaaaaataatgagaaaaaaagtatgtagaaaaaaat
3521 caaagatacatttgaatttaaaatatcaattaaaagaaaaataaattgtgatttaatagaaactgtttaaatgtgtgaaaa
3601 aataaagatataaaacagtaaaaaaaattattatttagctcagtgaggaccataacaggttgaacaggagtgcttc
3681 ggacaacctgcacattgtcagaaatagatcagagaattgcccggaaataaacctttgaagtaagaattgtctattatttg
3761 tttttattataaacttaacattttataggatttagtacacaataaaggcagtttagctgtcagaaaaatgttacgtgcagt
3841 catctactacattcagatccctttcatattttttgttcaatgtgtgtagtgattttgacacgagcaccaatttaattta
3921 gtgattttcacatgggcaaccttggttagtagtatgccatacacagagacatagaggttcagaagatcattgctgggac
4001 caaagagaccttatttagtactgtcacggtaggaaatccctgtttccctcgtgcatgtttgtgtgtgtgtgtgtttgtt
4081 actctctgctctgccatgtgctctgttaggctgagtgcctcaccctgtgtgttgattgacctgcctcagctgtgtgtgtg
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4241 tttctacgtctcagctctggattacgagttgcattgtggattgtttattgtcgtcgtcgtctctgtgtggatgttccgtgt
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4401 tgccaacaacaccggacatttccgtgtgtgctattctctctctgtgtttataaaataaacattgtgtttacacctgcaa
4481 ttgcttccgctcagttcgtgtcattacagaatcatctggccatacattggaagcagcaggagaccaaaccacggccacgt
4561 ggagggaatttctccagcaaacctggctcgtatggatcttcaggaccagtcgataacgaaatgcgataggccgctcatg
4641 caatgatgacgaagggtgccagctctctcagcgttcccttcactcttcgctccactgcgcaccaccacacggccgca
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FIG. 3

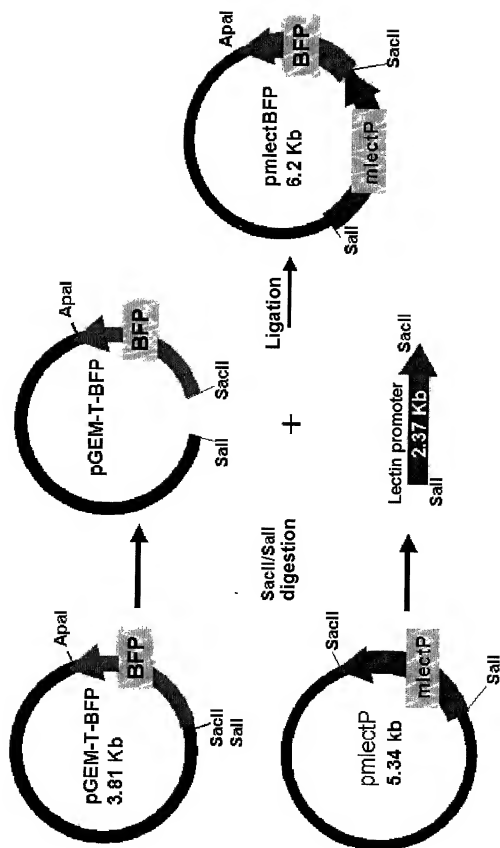


FIG. 4

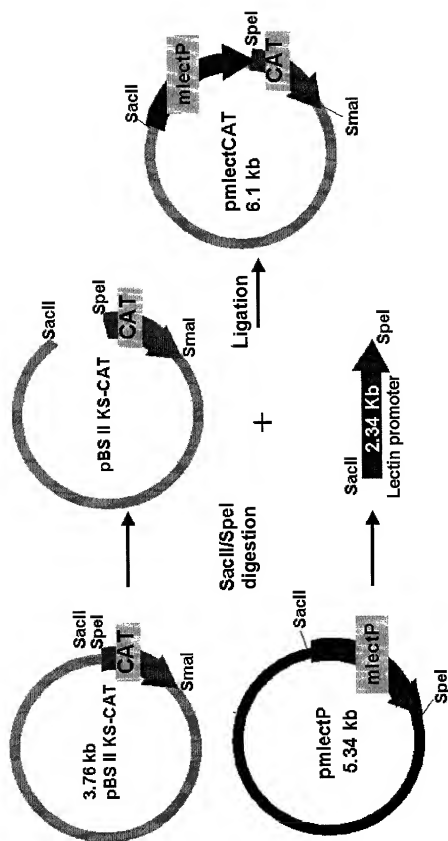


FIG. 5A



FIG. 5B

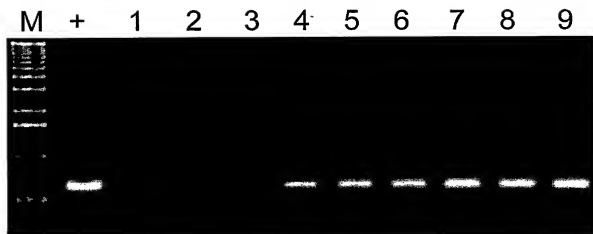


FIG. 6A

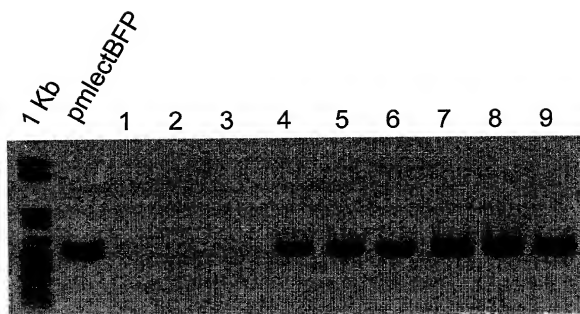


FIG. 6B

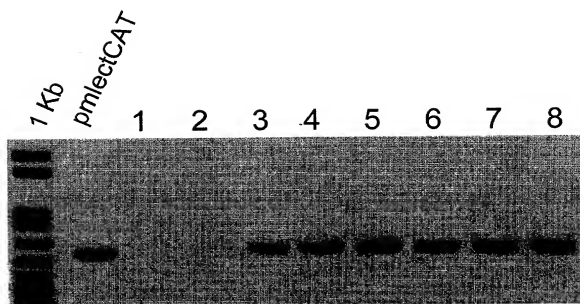
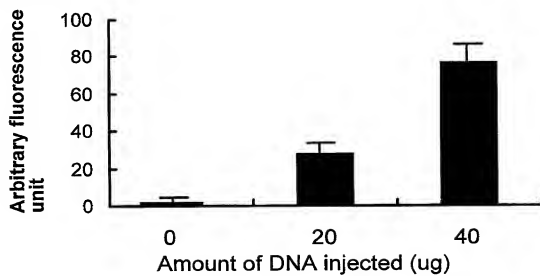


FIG. 7

pmlectBFP



pmlectCAT

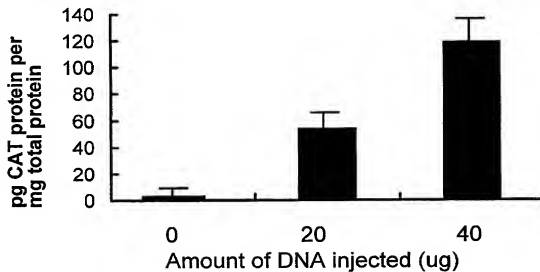
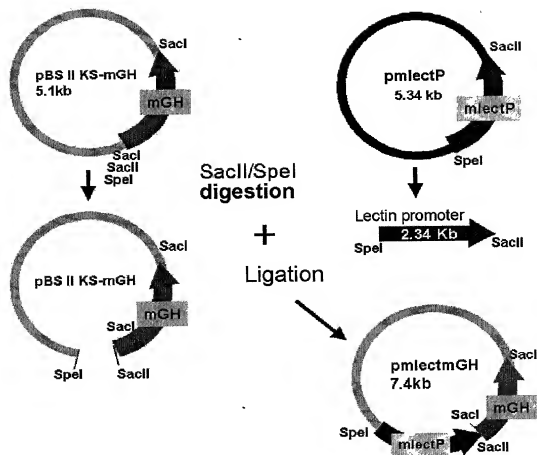


FIG. 8



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FIG. 9

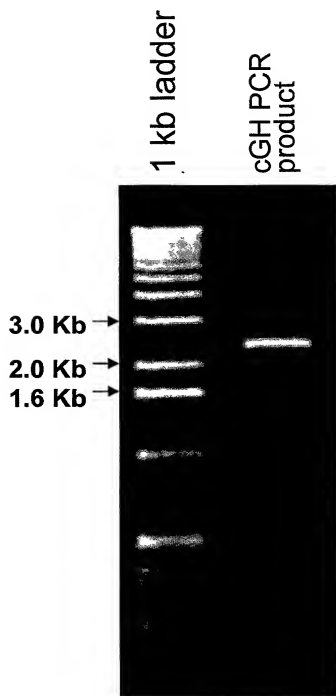


FIG. 10

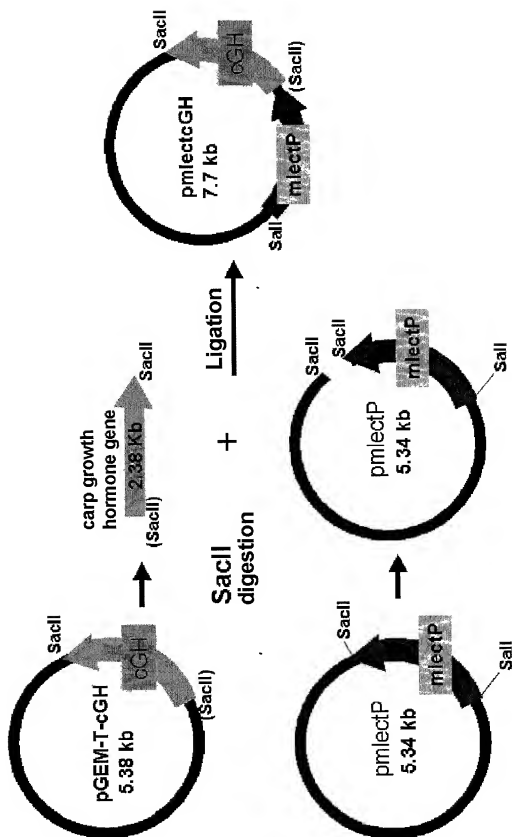
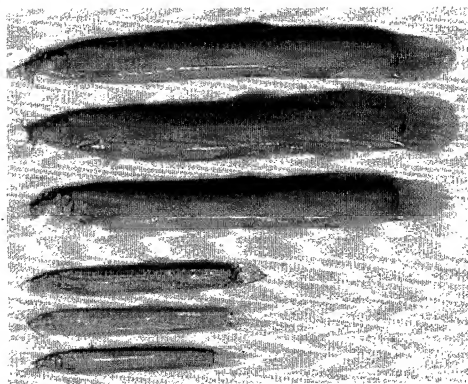


FIG. 11



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FIG. 12

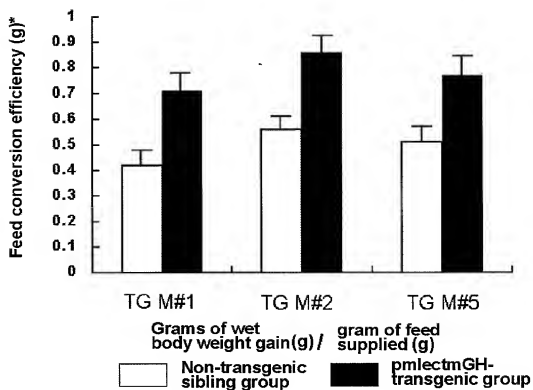


FIG. 13

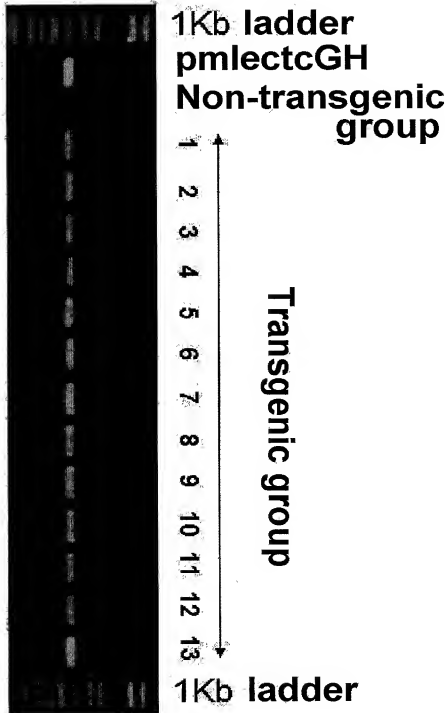
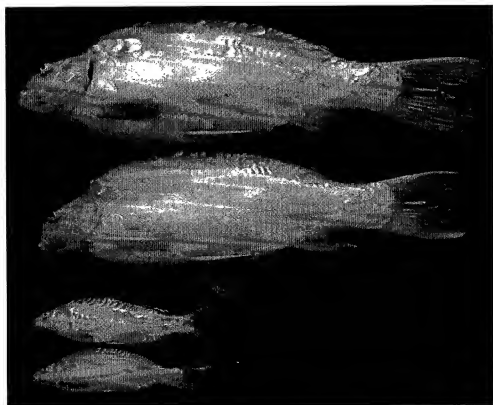


FIG. 14



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FIG. 15

